

**CLAIMS**

What is claimed is:

1        1.     A method for collecting data regarding a messaging session, the  
2 method comprising:

3            intercepting an incoming message;

4            writing session information to a thread-local variable; and

5            providing the incoming message to an associated system component.

1        2.     The method of claim 1, wherein intercepting an incoming message  
2 comprises intercepting an extensible markup language (XML) message wrapped in a  
3 simple object access protocol (SOAP) envelope.

1        3.     The method of claim 1, wherein intercepting an incoming message  
2 comprises intercepting a service request.

1        4.     The method of claim 1, wherein intercepting an incoming message  
2 comprises intercepting a service response.

1        5.     The method of claim 1, wherein writing session information to a  
2 thread-local variable comprises writing at least a session identification to the thread-  
3 local variable.

1       6.     The method of claim 1, wherein writing session information to a  
2     thread-local variable comprises writing at least one of a session identification, a source  
3     name of the sender of the message, a message type, a destination name of the intended  
4     recipient, and a message received time.

1       7.     The method of claim 1, wherein writing session information to a thread-  
2     local variable comprises writing session information to a thread-local variable using a  
3     message handler.

1       8.     The method of claim 7, wherein writing session information to a thread-  
2     local variable comprises writing session information to a thread-local variable using a  
3     simple object access protocol (SOAP) message handler.

1       9.     The method of claim 1, further comprising storing session information  
2     in a database.

1       10.    The method of claim 1, further comprising intercepting an outgoing  
2     message and performing a thread-local variable lookup so as to receive the session  
3     information written to the thread-local variable.

1       11.    The method of claim 10, further comprising storing session data  
2     regarding the outgoing message to a database.

1           12.    The method of claim 10, further comprising instrumenting the outgoing  
2    message with session information.

1           13.    A system for collecting data regarding a messaging session, the system  
2    comprising:

3           means for intercepting an incoming message;  
4           means for identifying session information attached to the incoming message;  
5           means for writing session information to a thread-local variable; and  
6           means for providing the incoming message to an associated system  
7    component.

1           14.    The system of claim 13, wherein the means for writing session  
2    information to a thread-local variable comprise means for writing at least a session  
3    identification to the thread-local variable.

1           15.    The system of claim 13, wherein the means for writing session  
2    information to a thread-local variable comprise a message handler.

1           16.    The system of claim 15, wherein the message handler comprises a  
2    simple object access protocol (SOAP) message handler.

1           17.    The system of claim 13, further comprising means for storing session  
2    information.

1           18.    The system of claim 13, further comprising means for intercepting an  
2   outgoing message and means for performing a thread-local variable lookup.

1           19.    The system of claim 18, further comprising means for storing session  
2   data regarding the outgoing message.

1           20.    The system of claim 18, further comprising means for instrumenting  
2   the outgoing message with session information.

1           21.    A system for collecting data regarding a messaging session, the system  
2   comprising:

3           logic configured to intercept an incoming message directed at a system  
4   component;

5           logic configured to identify session information attached to the incoming  
6   message; and

7           logic configured to write session information to a thread-local variable.

1           22.    The system of claim 21, wherein the logic configured to write session  
2   information to a thread-local variable comprises logic configured to write at least a  
3   session identification to the thread-local variable.

1           23.    The system of claim 21, wherein the logic configured to write session  
2   information to a thread-local variable comprises a message handler.

1           24. The system of claim 23, wherein the message handler comprises a  
2 simple object access protocol (SOAP) message handler.

1           25. The system of claim 21, further comprising logic configured to store  
2 session information in a database.

1           26. The system of claim 21, further comprising logic configured to  
2 intercept an outgoing message and perform a thread-local variable lookup so as to  
3 receive session information written to the thread-local variable.

1           27. The system of claim 26, further comprising logic configured to  
2 instrument the outgoing message with session information.

1           28. A message handler stored on a computer-readable medium,  
2 comprising:

3           logic configured to intercept an incoming message directed at a system  
4 component;

5           logic configured to identify session information attached to the incoming  
6 message;

7           logic configured to write session information to a thread-local variable; and  
8           logic configured to provide the incoming message to the system component.

1           29.    The message handler of claim 28, wherein the logic configured to write  
2    session information to a thread-local variable comprises logic configured to write at  
3    least a session identification to the thread-local variable.

1           30.    The message handler of claim 28, further comprising logic configured  
2    to store session information in a database.

1           31.    The message handler of claim 28, wherein the message handler  
2    comprises a simple object access protocol (SOAP) message handler.

1           32.    A message handler stored on a computer-readable medium,  
2    comprising:

3           logic configured to intercept an outgoing message directed at a system  
4    component;

5           logic configured to perform a thread-local variable lookup to receive session  
6    information pertinent to the outgoing message;

7           logic configured to instrument the outgoing message with session information;  
8    and

9           logic configured to forward the outgoing message to the system component.

1           33.    The message handler of claim 32, wherein the logic configured to  
2    instrument the outgoing message comprises logic configured to instrument the  
3    outgoing message with at least a session identification.

1           34.     The message handler of claim 32, further comprising logic configured  
2     to store session information in a database.

1           35.     The message handler of claim 32, wherein the message handler  
2     comprises a simple object access protocol (SOAP) message handler.

1           36.     A network service, comprising:  
2           logic configured to process requests sent from a client;  
3           a first message handler including logic configured to intercept an incoming  
4     message directed at the network service and logic configured to write session  
5     information to a thread-local variable; and  
6           a second message handler including logic configured to intercept an outgoing  
7     message sent by the network service and logic configured to perform a thread-local  
8     variable lookup to receive session information pertinent to the outgoing message.